UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/993,570	11/27/2001	Akihiro Kushida	862.C2442	7438

5514 7590 09/30/2004

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER	
VO, HUYEN X	

ART UNIT	PAPER NUMBER
2655	

DATE MAILED: 09/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/993,570	KUSHIDA ET AL.	
	Examiner	Art Unit	
	Huyen Vo	2655	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *27 November 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *43-61* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *43-61* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *27 November 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *1/29/04,7/14/04*. and 9/4/03 HV
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 43-61 are rejected under 35 U.S.C. 102(b) as being anticipated by Dragosh et al. (US Patent No. 6078886).

3. Regarding claim 43, Dragosh et al. disclose a client-server speech recognition system for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, the client-server speech recognition system comprising:

the client comprising: speech receiving means for receiving speech inputted by a speech input module (*col. 3, ln. 5-67*); and transmission means for transmitting input form identifying information indicating a kind of an input form to be inputted of the speech, a user dictionary holding target recognition words designated by a user in correspondence with the input form identifying information for the target recognition words, and the speech to the server (*col. 4, ln. 27 to col. 6, ln. 67*), and

the server comprising: receiving means for receiving the input form identifying information, the user dictionary, and the speech (*server 100 in figure 1 and referring to col. 4, ln. 27 to col. 6, ln. 67*); speech recognition means for selecting a target recognition word corresponding to the input form identifying information for the speech

from the user dictionary, and recognizing the speech using the selected target recognition word (*col. 4, ln. 27 to col. 7, ln. 67*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 7, ln. 1 to col. 8, ln. 67*).

4. Regarding claim 44, Dragosh et al. further disclose a system according to claim 43, wherein said server further comprises holding means for holding a plurality of kinds of recognition dictionaries, and wherein said speech recognition means selects a recognition dictionary corresponding to the input form identifying information from said holding means by referring to a table managing a correspondence of the input form identifying information and each of the plurality of kinds of recognition dictionaries, and recognizes the speech using the selected recognition dictionary and the selected target recognition word (*col. 5, ln. 1 to col. 6, ln. 67*).

5. Regarding claims 45, 51, 57, and 60, Dragosh et al. disclose that in a client-server speech recognition system, method, and computer-readable medium for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, an information processing apparatus acting as the client comprising:

speech receiving means for receiving speech inputted by a speech input module (*col. 3, ln. 5-67*); transmission means for transmitting input form identifying information indicating a kind of an input form to be inputted of the speech, a user dictionary holding

target recognition words designated by a user in correspondence with the input form identifying information for the target recognition words, and the speech to the server (*col. 4, ln. 27 to col. 6, ln. 67*); and receiving means for receiving a speech recognition result of the speech recognized by the server using a selected target recognition word corresponding to the input form identifying information for the speech in the user dictionary from the server (*server 100 in fig 1 and refer to col. 4, ln. 27 to col. 6, ln. 67*).

6. Regarding claims 46, 52, 58, and 61, Dragosh et al. disclose that in a client-server speech recognition system and method for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, an information processing apparatus acting as the server comprising:

receiving means for receiving input form identifying information indicating a kind of an input form to be inputted of speech inputted by the client (*col. 5, ln. 26-57, grammar identifier*), a user dictionary holding target recognition words designated by a user in correspondence with the input form identifying information for the target recognition words, and the speech from the server (*col. 5, ln. 1 to col. 6, ln. 67*);

speech recognition means for selecting a target recognition word corresponding to the input form identifying information for the speech from the user dictionary and recognizing the speech using the selected target recognition word (*col. 6, ln. 1 to col. 7, ln. 67*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 6, ln. 1 to col. 7, ln. 67*).

7. Regarding claim 47, Dragosh et al. disclose a client-server speech recognition system for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, the client-server speech recognition system comprising:

the client comprising: speech receiving means for receiving speech inputted by a speech input module (*col. 3, ln. 5-67*); and transmission means for transmitting input form identifying information indicating a kind of an input form to be inputted of the speech, a user dictionary holding target recognition words designated by a user in correspondence with recognition dictionary identifying information indicating a kind of recognition dictionary held by the server for the target recognition words, and the speech to the server (*col. 4, ln. 27 to col. 6, ln. 67*), and

the server comprising: holding means for holding a plurality of kinds of recognition dictionaries (*Load Client Grammar 304 in figure 3*); receiving means for receiving the input form identifying information, the user dictionary, and the speech (*server 100 in figure 1 and referring to col. 4, ln. 27 to col. 6, ln. 67*); speech recognition means for selecting a recognition dictionary corresponding to the input form identifying information for the speech from said holding means, selecting a target recognition word corresponding to the input form identifying information for the speech from the user dictionary, and recognizing the speech using the selected recognition dictionary and the selected target recognition word (*col. 4, ln. 27 to col. 7, ln. 67*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 7, ln. 1 to col. 8, ln. 67*).

8. Regarding claims 48 and 54, Dragosh et al. disclose that in a client-server speech recognition system and method for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, an information processing apparatus acting as the client comprising:

speech receiving means for receiving speech inputted by a speech input module (*col. 3, ln. 5-67*); transmission means for transmitting input form identifying information indicating a kind of an input form to be inputted of the speech, a user dictionary holding target recognition words designated by a user in correspondence with recognition dictionary identifying information indicating a kind of recognition dictionary held by the server for the target recognition words, and the speech to the server (*col. 4, ln. 27 to col. 7, ln. 67*); and receiving means for receiving a speech recognition result of the speech recognized by the server using a recognition dictionary corresponding to the input form identifying information for the speech and a selected target recognition word in the user dictionary from the server (*server 100 in figure 1 or referring to col. 4, ln. 27 to col. 7, ln. 67*).

9. Regarding claims 49 and 55, Dragosh et al. disclose that in a client-server speech recognition system and method for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, an information processing apparatus acting as the server comprising:

holding means for holding a plurality of kinds of recognition dictionaries (*Load Client Grammar 304 in figure 3*); receiving means for receiving input form identifying information indicating a kind of an input form to be inputted of speech inputted by the client, a user dictionary holding target recognition words designated by a user in correspondence with recognition dictionary identifying information indicating a kind of recognition dictionary for the target recognition words, and the speech from the server (*server 100 in figure 1 or referring to col. 4, ln. 27 to col. 7, ln. 67*);

speech recognition means for selecting a recognition dictionary corresponding to the input form identifying information for the speech, selecting a target recognition word corresponding to the input form identifying information for the speech from the user dictionary, and recognizing the speech using the selected recognition dictionary and the selected target recognition word (*col. 4, ln. 27 to col. 7, ln. 67*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 7, ln. 1 to col. 8, ln. 67*).

10. Regarding claims 50, 53, 56, and 59, Dragosh et al. disclose a method and computer-readable medium of controlling a client-server speech recognition system for recognizing, by a server, speech input at a client for inputting information to an input form, the client having plural input forms, the method comprising:

a speech receiving step of receiving speech inputted by a speech input module (*col. 3, ln. 5-67*); a first transmission step of transmitting input form identifying information indicating a kind of an input form to be inputted of the speech, a user

dictionary holding target recognition words designated by a user in correspondence with the input form identifying information for the target recognition words, and the speech to the server (*col. 4, ln. 27 to col. 7, ln. 67*); a speech recognition step of selecting a target recognition word corresponding to the input form identifying information (indicating a kind of recognition dictionary held by the server (*grammar identifier in col. 4, ln. 26-57*)) for the speech from the user dictionary and recognizing the speech using the selected target recognition word (*col. 4, ln. 27 to col. 7, ln. 67*); and a second transmission step of transmitting the speech recognition result of said speech recognition step to the client (*col. 7, ln. 1 to col. 8, ln. 67*).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hashimoto et al. (US Patent No. 5632002) disclose a speech recognition interface system that is considered pertinent to the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen Vo whose telephone number is 703-305-8665. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 703-305-4827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner Huyen X. Vo

September 17, 2004

***

SUSAN MCFADDEN
PRIMARY EXAMINER